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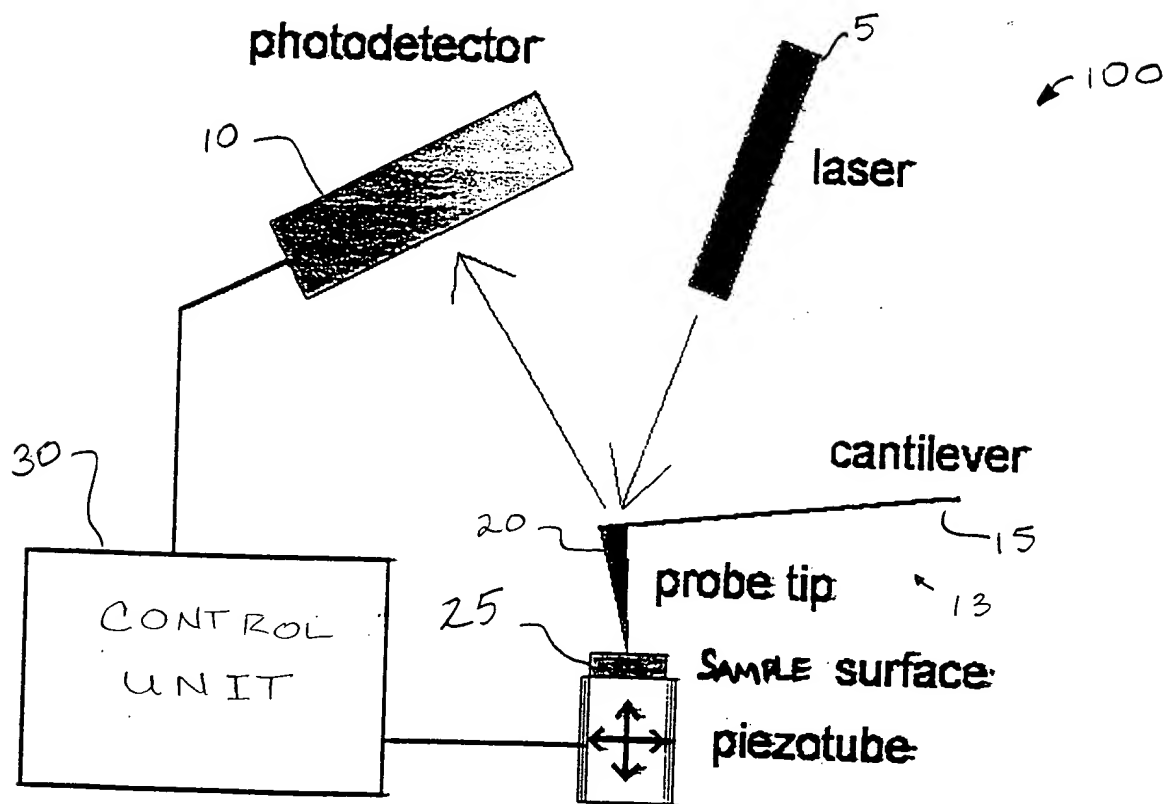


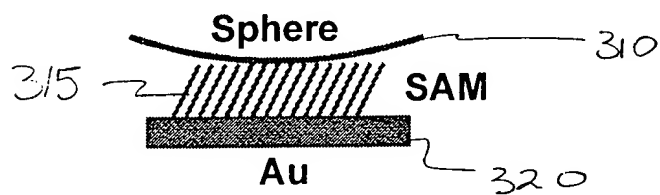
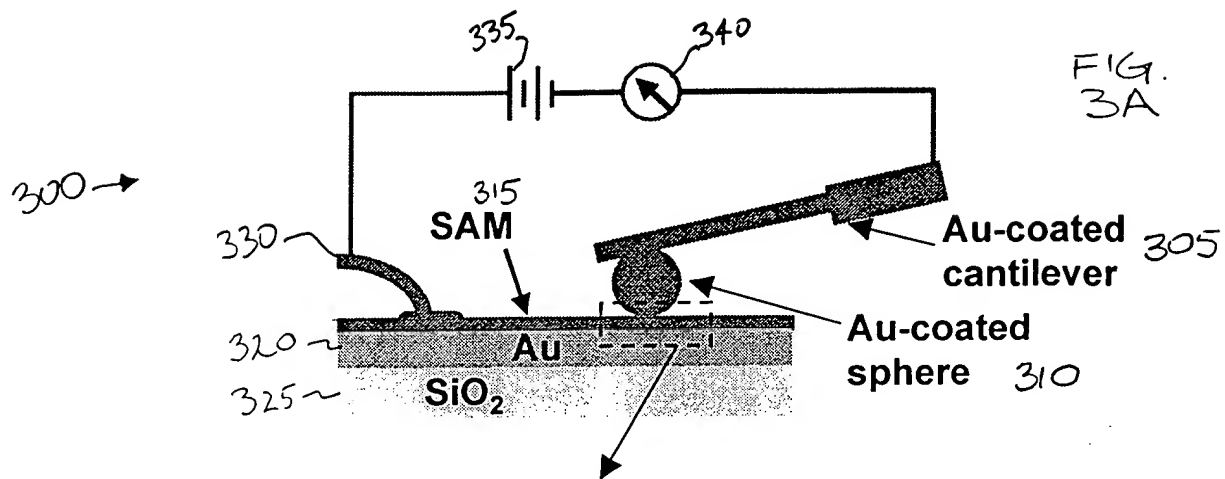
FIG. 1

A high-contrast, black and white photograph of a mechanical component, possibly a wing or a structural beam. The component is shown in profile, with a curved upper surface and a straight lower surface. A small, rounded feature is visible on the left side. Two handwritten labels, '210' and '205', are present. '210' is located at the top right, with a line pointing to the upper curved surface. '205' is located below it, with a line pointing to the lower straight surface. The background is dark and textured.

● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

100 μm

FIG. 2



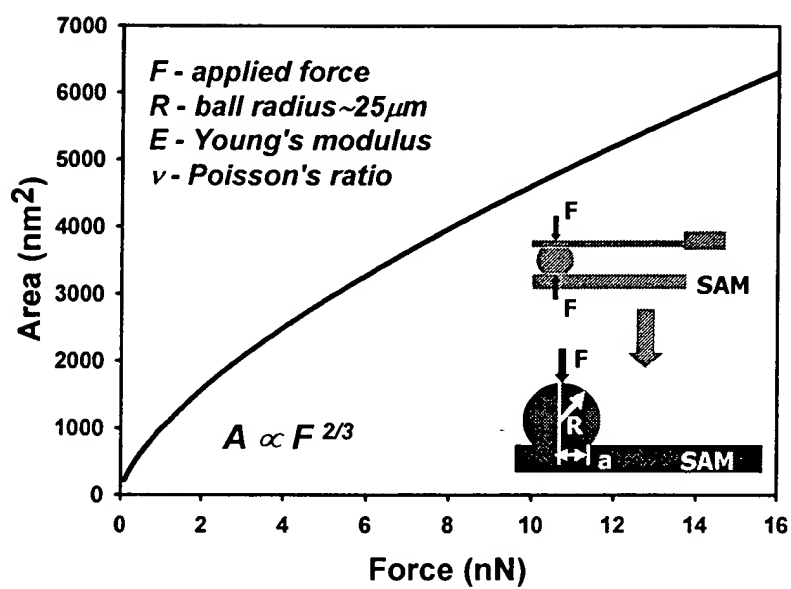


FIG. 4

105150-5122300

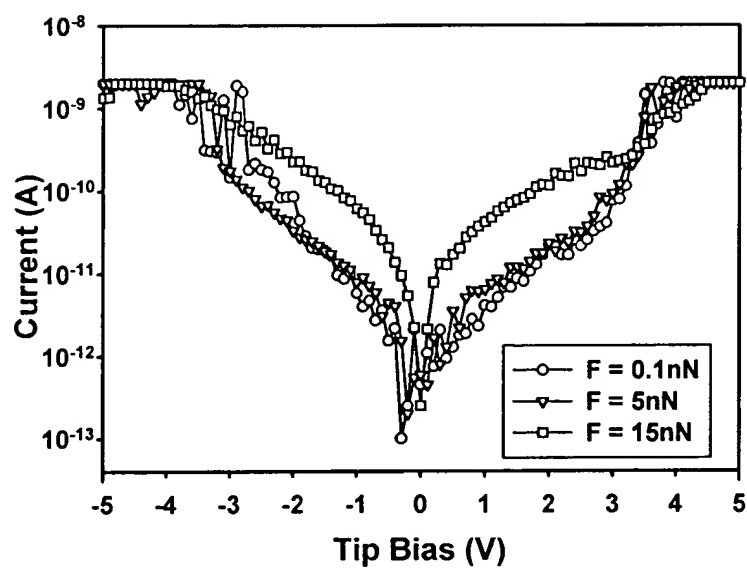


FIG. 5

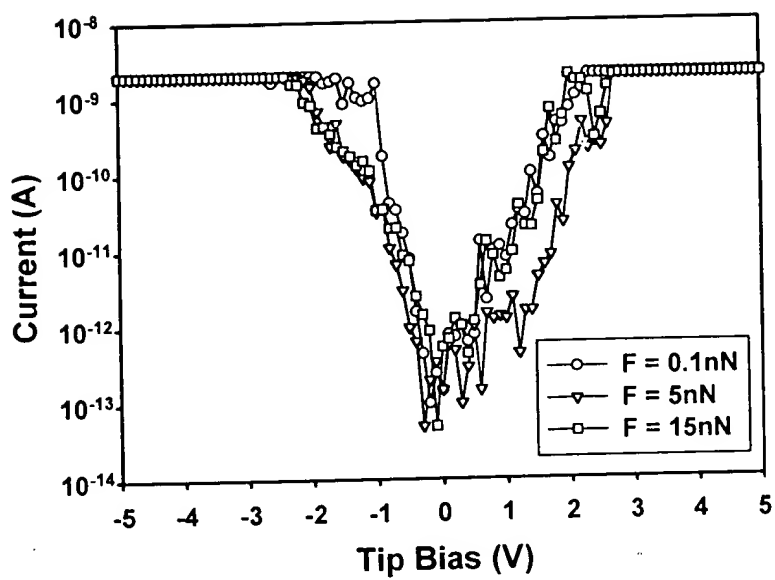


FIG. 6

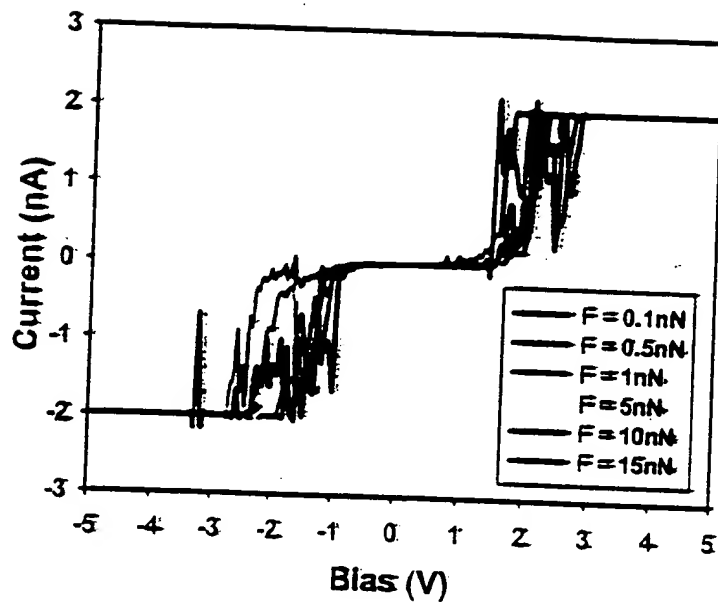


FIG. 7

I-V characteristics for a 1-Octadecanethiol monolayer self-assembled on a gold surface.
Characteristics vary relatively little for a wide range of tip forces.

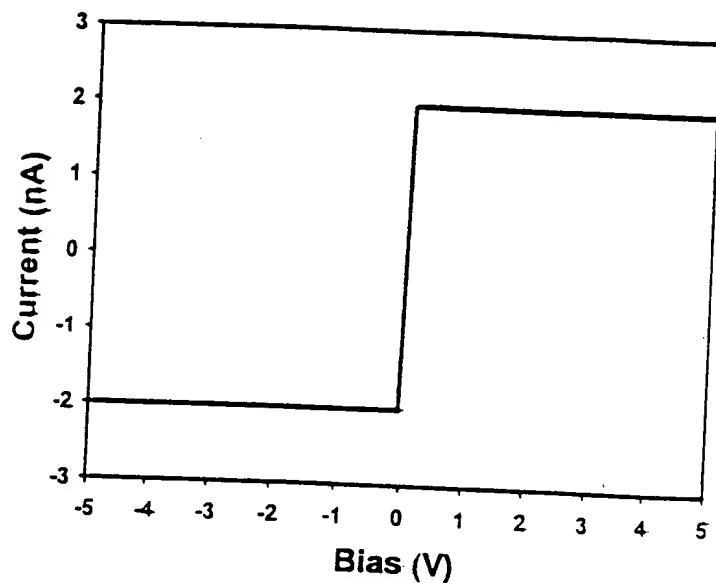


FIG. 8

I-V characteristic using a 25 micron diameter microsphere tip to measure a gold layer at a tip force of 0.1 nN (current limited to 2 nA).